



**STANDARD FEATURES**

- MOTORS: HR-1 - STD FORCE 3.5 N
- OPTIONAL: DUAL ST MOTOR - STD FORCE 2.5 N (CONSULT FACTORY FOR HIGHER FORCE)
- TRAVEL: ± 5 DEG
- SPEED: 120 DEG/SEC
- ENCODER RESOLUTION:
  - LOWER AXIS: 0.013 ARC-SEC TO 13 ARC-SEC
  - 0.013 ARC-SEC USING 4096 INTERPOLATION
  - UPPER AXIS: 0.017 ARC-SEC TO 17 ARC-SEC
  - 0.017 ARC-SEC USING 4096 INTERPOLATION (CONTROLLER DEPENDENT)
- SYSTEM REPEATABILITY: +/- 2 ENCODER COUNT (CONTROLLER DEPENDENT)
- HOME SENSOR: STANDARD
- BEARINGS: PRECISION ARCHED CROSS ROLLER BEARING DYNAMIC LOAD RATING: 1.1kN
- SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT PLEASE CONSULT THE FACTORY
- ENCLOSURES: ALUMINUM 6061-T6 STAINLESS STEEL OPTIONAL
- ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM 10e-7 TORR, AND VACUUM 10e-10 TORR (CONSULT FACTORY)
- TEMPERATURE: 0 to 100 DEG C
- HUMIDITY: 10% to 80% NON-CONDENSING
- ASSEMBLY MASS: 0.47 kg

**ACCESSORIES**

MOTOR AMPLIFIER

**OPTIONAL EQUIPMENT**

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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**NOTE: HR1 MODEL PICTURED  
(ST MODEL AVAILABLE)**  
ST MODEL LENGTH DIFFERENCE SHOWN ABOVE

DRAWN	NBROWN	6/8/2006
CHECKED		
Tolerances:	Surface Roughness:	
x.x ± .04 in	√ RMS MAX.	
x.xx ± .01 in		
x.xxx ± .005 in		
MATERIAL	FINISH	SEE NOTES

TITLE		
<b>AI-HR1-GONI-060-D</b>		
SIZE	DWG NO	REV
B	0010-00759	002
SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1